

UNITED STATES PLANT PATENT APPLICATION

of

L. PERNILLE AND MOGENS N. OLESEN

for

FLORIBUNDA
ROSE PLANT NAMED

'POULcs009'

SUMMARY OF THE INVENTION

BOTANICAL CLASSIFICATION

Rosa hybrida

VARIETY DENOMINATION

5

'POULcs009'

The present invention constitutes a new and distinct variety of garden rose plant which originated from a controlled crossing between the female parent 'POULDrik' described and illustrated in U.S. Plant Patent No. 12,557 issued on 23 April, 2002, and the male parent an unnamed seedling. The two parents were crossed during the summer of 1994 and the resulting seeds were planted in a controlled environment in Fredensborg, Denmark. The new variety is named 'POULcs009'.

The new variety may be distinguished from its female seed parent, 'POULDrik' by the following combination of characteristics:

1. While the seed parent 'POULDrik' has a flower color of Red Group 52C the same of 'POULcs009' is Red-Purple Group 65D with intonations of Red-Purple Group 64D.
2. While the seed parent 'POULDrik' has 14 to 18 petals, 'POULcs009' has 50 .
3. While the seed parent 'POULDrik' has a

flower diameter of 60mm, the same of
'POULcs009' is 50mm.

The new variety may be distinguished from its
5 unnamed male pollen parent by the following combination of
characteristics:

1. The pollen parent has very pale pink
flowers, while 'POULcs009' has medium pink
flowers.
- 10 2. The pollen parent a low growth habit,
ranging from 40 to 60 cm, while
'POULcs009' has an average height of 76
cm.
- 15 3. Flowers of 'POULcs009' have a longer
lasting quality on the plant than those of
the pollen parent.

The objective of the hybridization of this rose
variety was to create a new and distinct variety for
20 garden use with unique qualities, such as:

1. Uniform and abundant pink flowers;
2. Vigorous, but compact and even growth when
propagated both as a budded rose and on
its own roots;
- 25 3. Disease resistance;

4. Flower color which does not fade;
5. Well suited to normal cultural practices
in the garden and in containers.

5 This combination of qualities is not present in
previously available commercial cultivars of this type,
known to the inventors, and distinguish 'POULcs009' from
all other varieties of which we are aware.

 As part of their rose development program, L.
10 Pernille Olesen and Mogens N. Olesen germinated the seeds
from the aforementioned hybridization during winter of
1994 and conducted evaluations on the resulting seedlings
in a controlled environment in Fredensborg, Denmark.

 'POULcs009' was selected in the spring 1995 by the
15 inventors as a single plant from the progeny of the
aforementioned hybridization.

 Asexual reproduction of 'POULcs009' by traditional
budding and rooted cuttings was first done by L. Pernille
and Mogens N. Olesen in their nursery in Fredensborg,
20 Denmark in July, 1995. This initial and other subsequent
asexual propagations conducted in controlled environments
have demonstrated that the characteristics of 'POULcs009'
are true to type and are transmitted from one generation
to the next.

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BRIEF DESCRIPTION OF THE DRAWING

The accompanying color illustration shows as true as is reasonably possible to obtain in color photographs of this type, the typical characteristics of the buds, flowers, leaves, and stems, of 'POULcs009'. Specifically illustrated in the drawing: SHEET 1:

Fig 1.1; Open flower, stem showing open flower, branching, and the attachment of leaves, buds, and peduncles;

Fig 1.2; Flower bud closed, flower bud as sepals unfold, and partially open;

Fig 1.3; Flower petals, detached;

Specifically illustrated in SHEET 2:

Fig 2.1; Sepals, receptacle, and peduncle;

Fig 2.2; Bare stems;

Fig 2.3; Leaves.

DETAILED DESCRIPTION OF THE VARIETY

The following is a description of 'POULcs009', as observed in its growth in a field nursery in Jackson County, Oregon. Observed plants are 3 years of age. Color references are made using the Royal Horticultural Society

(London, England) Colour Chart, 1995, except where common terms of color are used.

For a comparison, several physical characteristics of the rose variety 'POULf1002', a rose variety from the same inventors described and illustrated in U.S. Plant Patent Application No. 10/685,543 dated October 14, 2003 are compared to 'POULcs009' in Chart 1.

CHART 1

	POULcs009	POULf1002
General Tonality of Open Flower	Red-Purple Group 62C	Red Group 52 D
Peduncle Length	35 to 40 mm	40 to 50 mm
Petalage	50 petals	20 to 25 petals

FLOWER AND FLOWER BUD

Blooming habit: Continuous.

Flower bud:

Size: Upon opening, 25 mm in length from base of receptacle to end of bud.

Bud form: Broad-based ovoid.

Bud color: As sepals unfold, petals are

Red-Purple Group 58D. At $\frac{1}{4}$ opening
petals are Red-Purple Group 58D with
intonations of Red-Purple Group 58A.

Sepals:

5 Upper Surface:

Color: Yellow-Green Group 146B.

Texture: Moderately pubescent.

Lower Surface:

Color: Yellow-Green Group 146B.

10 Sepal Shape:

Sepal apex is cirrhose.

Base is flat at union with
receptacle.

Sepal Margin:

15 Stipitate glands are in
medium quantity at margins
and lower surfaces.

Size: 23 mm (l) x 7 mm (w).

Receptacle:

20 Surface Texture: Smooth.

Shape: Funnel shaped.

Size: 9 mm (h) x 6 mm (w).

Color: Yellow-Green Group 144A.

Peduncle:

25 Surface: Smooth.

Length: 35 to 40 mm average
length.

Color: Yellow-Green Group 144B.
Anthocyanic pigments the
5 color of Greyed-Red Group
178A observed.

Strength: Strong.

Borne: In clusters of 5 flower
buds per stem.

10

Flower bloom:

Fragrance: Light floral scent.

Duration: The blooms have a duration on
the plant of approximately 10
15 to 14 days. Afterwards, petals
fall cleanly away from plant.

Size: Flower diameter is 50 mm when
fully open. Flower depth is 35
20 mm.

Form:

Flowers resemble an open cup,
with strongly reflexed petals
which curve outward from the
25 center.

Shape of flower when viewed from the side:

Upon opening, upper part: Flat.

Upon opening, lower part: Flattened

Convex.

5

Open flower, upper part: Flat.

Open flower, lower part: Flattened

Convex.

10

Petalage: 50 petals on average with 5 to 10
petaloids.

Color:

Upon opening, petals:

Outermost petals:

15

Outer side: Red-Purple Group 63D with
marginal intonations of
Red-Purple Group 64B to
64C.

Inner Side: Red-Purple Group 63C to
Red-Purple Group 58D.

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Innermost petals:

Outer side: Red-Purple Group 63D with
marginal intonations of
Red-Purple Group 64C.

Inner Side: Red-Purple Group 63C.

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Upon opening, basal petal spots:

Outermost petals:

Outer side: Yellow Group 4C.

Inner Side: Yellow Group 4A.

Innermost petals:

5 Outer side: Yellow Group 4C.

Inner Side: Yellow Group 4A.

After opening, petals:

Outermost petals:

10 Outer side: Red-Purple Group 65D with
intonations of Red-Purple
Group 64D at margins.

Inner Side: Red-Purple Group 65C with
intonations of Red-Purple
Group 64D at margins.

15 Innermost petals:

Outer side: Red-Purple Group 65D with
intonations of Red-Purple
Group 64D at margins.

20 Inner Side: Red-Purple Group 65C with
intonations of Red-Purple
Group 64D at margins.

After opening, basal petal spots:

Outermost petals:

Outer Side: Yellow Group 4C.

25 Inner Side: Yellow Group 4C.

Innermost petals:

Outer Side: Yellow Group 4C.

Inner Side: Yellow Group 4C.

5 **General Tonality:** On open flower Red-Purple Group
62C. No change in the general
tonality at the end of the 10th
day.

Petals:

10 Petal Reflex: Variable. Slightly to strongly
reflexed.

Margin: Ruffled with strong undulations
of margin observed.

Shape: Apex: Round.

15 Base: Acute.

Size: 40 mm (l) x 46 mm (w).

Texture: Smooth.

Thickness: Average.

Arrangement: Not Formal.

20 **Petaloids:**

Quantity: 5 to 10.

Color: Upper surface is Red-Purple
Group 73B. Lower Surface is
Red-Purple Group 73A.

25 Size: 16 mm (l) x 14 mm (w).

Reproductive Organs:

Pistils:

Length: 12 mm.

5

Quantity: 79.

Pollen: None observed.

Anthers:

Color: Greyed-Orange Group 167B.

10

Quantity: 101 (actual count).

Filaments:

Color: Yellow Group 3C.

Length: 8 mm.

Stigmas: Superior in location to
the height of the anthers.

15

Color: Yellow-Green Group 145D.

Styles:

Color: Yellow-Green Group 145D.

Hips: None Observed in the field nursery in
Jackson County Oregon.

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PLANT

Plant growth: Moderate, upright to bushy. When
grown as a budded field grown plant

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on *Rosa multiflora* understock, the
average height of the plant is 76 cm
and the average width is 76 cm.

Stems:

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Color:

Young wood: Yellow-Green Group 146D.

Older wood: Yellow-Green Group 144A.

Surface Texture:

Young wood: Smooth.

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Older wood: Rough.

Thorns:

Incidence: 2 thorns per 10 cm of stem.

Size: Average length: 4 mm.

Color: Greyed-Red Group 178A.

15

Shape: Concave.

Plant foliage: Normal number of leaflets on
normal leaves in middle of the
stem: 7 leaflets.

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Compound Leaf size: 140 mm (l) x 90 mm (w).

Color:

Mature Foliage:

Upper surface is: Yellow-Green
Group 146A.

25

Lower surface is: Yellow-Green

Group 146B.

Juvenile foliage:

Upper surface is: Yellow-Green

Group 146A.

5 Lower surface is: Yellow-Green

Group 146B.

Plant leaves and leaflets:

Stipules:

Size: 13 mm in length.

10 Margins: Average quantity of
stipitate glands.

Color: Yellow-Green Group 144A.

Petiole:

Length: 15 to 20 mm.

15 Above:

Color: Yellow-Green Group 1454B.

Anthocyanin: Greyed-Red Group 182A.

Underneath: Thorns present.

Rachis:

20 Above:

Color: Yellow-Green Group 145B.

Anthocyanin: Greyed-Red Group 182A.

Underneath: Thorns present.

Leaflet:

25 Size: 50 mm (l) x 30 mm (w).

5

Edge: Serrated.
Shape: Broadly ovate. Apex is
cuspidate. Base is round.
Texture: Rugose.
Thickness: Thick.
Arrangement: Odd pinnate.
Venation: Reticulate.
Glossiness: Very glossy.

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Disease resistance:

Above average resistance to mildew, rust, black spot, and Botrytis under normal growing conditions in Jackson County, Oregon.

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Cold Hardiness:

The variety 'POULcs009' has been found to be cold tolerant to USDA Cold Hardiness Zone 6.